

ESHF 50-160/55/P26PSSA

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

1	Pumpe type	Single head pump	Fluid	Water, pure
2	No. of pumps	1	Operating temperature t A	°F 39.2
3	Nominal flow	US g.p.m. 0	Max / Min Operating Temperature mech. Seal	°F 120 / -10
4	Nominal head	ft 0	pH-value at t A	7
5	Static head	ft 0	Density at t A	lb/ft³ 62.4
6	Inlet pressure	psi 0	Kin. viscosity at t A	ft²/s 1.689E-5
7	Environmental temperature	°F 68	Vapor pressure at t A	psi 14.5
8	Available system NPSH	ft 0	Altitude	0

Pump data

9	Lubrication	Standard, Grease lubrication [Std]								
10	Execution	Unit with standard coupling			Impeller Ø	Max.	inch	5 13/16		
11	Design	Horizontal				designed	inch	5 5/16		
12	Operating speed	3500 rpm	Stages	1		Min.	inch	5 5/16		
13	Suction nozzle	DN 65	/	PN 16	/	EN1092-1	Flow	Nominal	US g.p.m.	
14	Discharge nozzle	DN 50	/	PN 16	/	EN1092-1		Max-	US g.p.m.	369.8
15	Max. casing pressure	psi	174					Min-	US g.p.m.	158.5
16	Max. working pressure	psi	46.3				Head	Nominal	ft	
17	Impeller type		Radial impeller					at Qmax	ft	47.2
18	Head H(Q=0)	ft	110					at Qmin	ft	97.8
19	Max. shaft power	hp	7.3				Shaft power	hp		
20	Pump weight	kg					Efficiency	%		
21	Total weight	lb	264.6				NPSH 3%	ft		

Materials

22		Pump			Shaft Seal
23	Pump body	Stainless steel / AISI 316L			Single mechanical seal, without shaft sleeve
24	Impeller	Stainless steel / AISI 316L			Uniten 3K
25	SEAL HOUSING	Stainless steel / AISI 316L			Mechanical seal diameter
26	Wear ring	Stainless steel / AISI 316L			1. Rotating ring
27	Counterwear ring	Stainless steel / AISI 316L			2. Stationary ring
28	Shaft extension	Stainless steel / AISI 316L			3. Secondary seal
29	Impeller locknut and washer	Stainless steel / AISI 316			4. Springs
30	Tab	Stainless steel / AISI 316L			5. Others
31	Fill/drain plugs	Stainless steel / AISI 316			Gaskets of the pump
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara	Manufacturer	Not applicable
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency	Series	Not applicable
44	Type	PLM 132 B3 5,5 kW	Shaft diameter	Pump 0 inch Motor 1 1/2 inch
45	Rated power	7.3756 hp	Rated current	18.9 A
46	Nominal speed	3516 rpm	Rated voltage	220 V
47	Frame size	132	Service factor	1
48	Weight	lb 125.7	Degree of protection	IP55

Base plate

49	Name	Not applicable
50	Weight	lb

Coupling

Manufacturer	Not applicable
Series	Not applicable
Shaft diameter	Pump 0 inch Motor 1 1/2 inch
Frame size	Not applicable
Spacer length	inch Not applicable
Weight	lb
Coupling protection	Not applicable

Remarks

Project	Xylect-20185149	Created by		Last update	1/13/2025
Block	ESHF 50-160/75/P26PSSA	Created on	1/13/2025		

ESHF 50-160/55/P26PSSA

Performance curve

Company name
Contact
Phone number
e-mail address

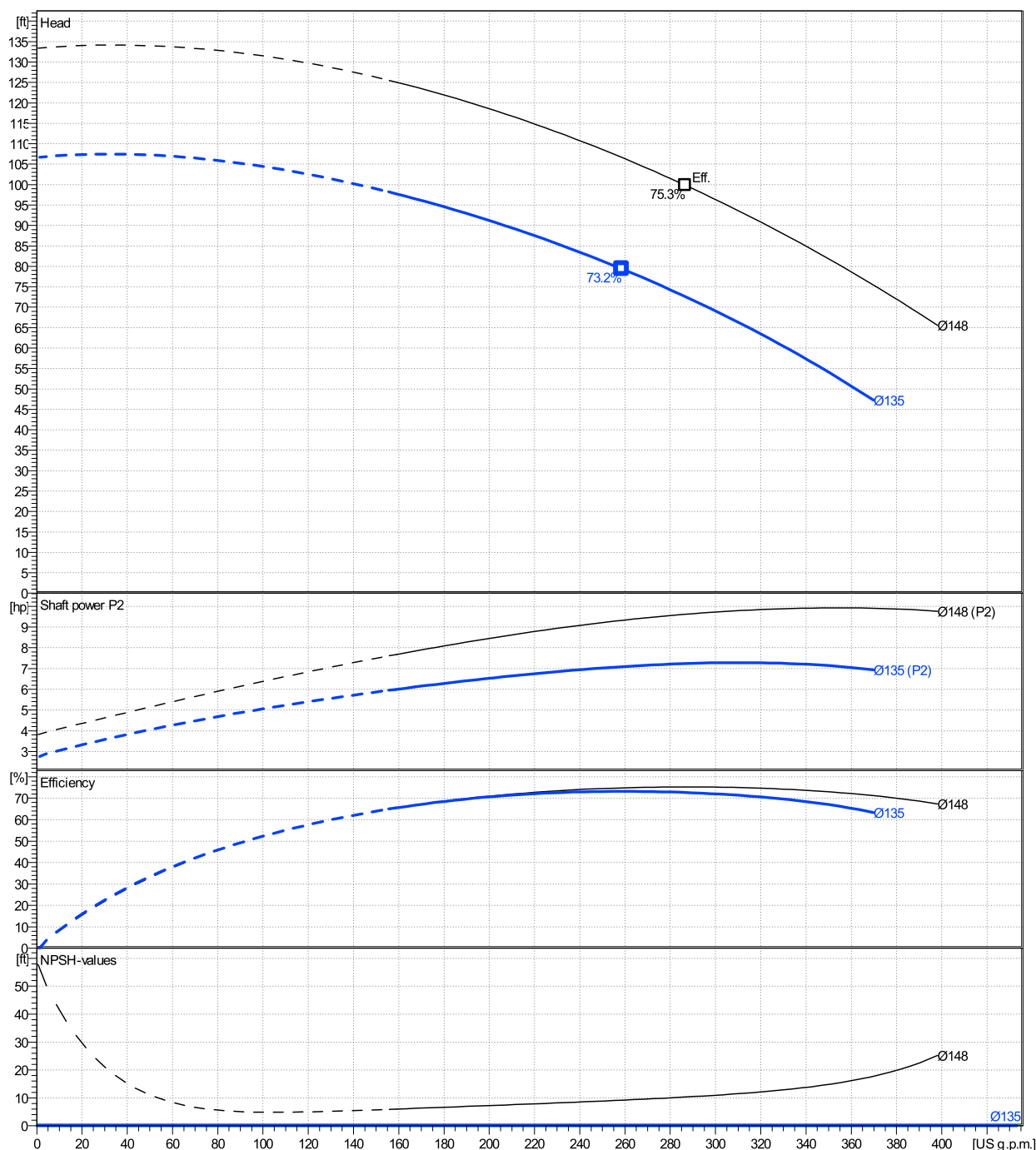
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	
actual	5 5/16	159	370	259	107	79.4		7.29	7.09	Nominal flow	US g.p.m.	0
Min.	0	/	/	259	107	79.4		/	7.09	Nominal head	ft	0
Max.	5 13/16	/	/	287	133	99.9		/	9.61	Inlet pressure	psi	0
										Static head	ft	0

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

MEI: N.A. - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



ESHF 50-160/55/P26PSSA

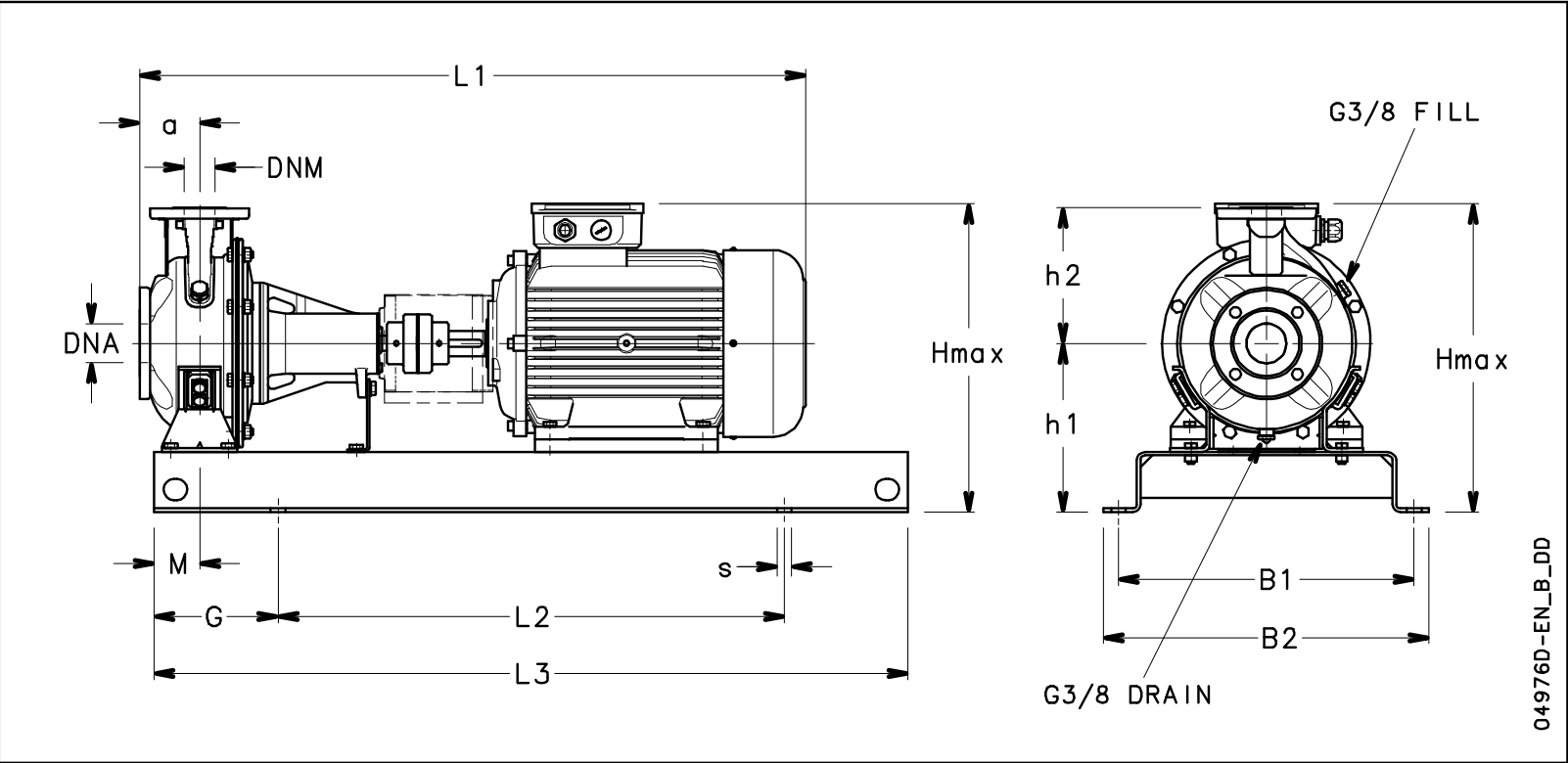
Dimensions

Company name
Contact
Phone number
e-mail address

Frame mounted
Unit with standard coupling
PLM 132 B3 5,5 kW

Electrical and dimensional data refer to IE3 motor

Dimensions		[inch]	
a	3 ¹⁵ / ₁₆		
B1	15 ³ / ₄		
B2	17 ¹¹ / ₁₆		
Coupling Type	01		
DNA	2 ⁹ / ₁₆		
DNM	1 ¹⁵ / ₁₆		
G	6 ¹¹ / ₁₆		
h1	10 ¹ / ₄		
h2	7 ¹ / ₁₆		
Hmax	17 ⁷ / ₈		
L1	35 ¹³ / ₁₆		
L2	26		
L3	39 ³ / ₈		
M	2 ³ / ₈		
Sscrews	M20		
</			



Dimensions and weight without obligation

Project	Xylect-20185149	Created by		Last update	1/13/2025
Block	ESHF 50-160/75/P26PSSA	Created on	1/13/2025		